Shuo Zhang

List of Publications by Year
in descending order

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41 papers	1,243 citations	516215 16 h-index	377514 34 g-index
41 all docs	41 docs citations	41 times ranked	738 citing authors

#	Article	IF	Citations
1	Mittag-Leffler stability of fractional-order Hopfield neural networks. Nonlinear Analysis: Hybrid Systems, 2015, 16, 104-121.	2.1	233
2	Global stability analysis of fractional-order Hopfield neural networks with time delay. Neurocomputing, 2015, 154, 15-23.	3.5	214
3	LMI Conditions for Global Stability of Fractional-Order Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2423-2433.	7.2	152
4	Stability analysis of fractional-order Hopfield neural networks with discontinuous activation functions. Neurocomputing, 2016, 171, 1075-1084.	3.5	79
5	Stability Analysis of Fractional-Order Neural Networks with Time Delay. Neural Processing Letters, 2015, 42, 479-500.	2.0	64
6	A Review of Industrial MIMO Decoupling Control. International Journal of Control, Automation and Systems, 2019, 17, 1246-1254.	1.6	63
7	Robust yaw control of autonomous underwater vehicle based on fractional-order PID controller. Ocean Engineering, 2022, 257, 111493.	1.9	50
8	General robustness analysis and robust fractionalâ€order PD controller design for fractionalâ€order plants. IET Control Theory and Applications, 2018, 12, 1730-1736.	1.2	38
9	Multi-AUV Dynamic Maneuver Countermeasure Algorithm Based on Interval Information Game and Fractional-Order DE. Fractal and Fractional, 2022, 6, 235.	1.6	33
10	A hybrid artificial bee colony algorithm for parameter identification of uncertain fractional-order chaotic systems. Nonlinear Dynamics, 2015, 82, 1441-1456.	2.7	32
11	Robust stability analysis for fractionalâ€order systems with time delay based on finite spectrum assignment. International Journal of Robust and Nonlinear Control, 2019, 29, 2283-2295.	2.1	25
12	Leader-Following Consensus of Fractional Nonlinear Multiagent Systems. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	24
13	Robust FOPID controller design for fractionalâ€order delay systems using positive stability region analysis. International Journal of Robust and Nonlinear Control, 2019, 29, 5195-5212.	2.1	21
14	Stability and Resonance Analysis of a General Non-Commensurate Elementary Fractional-Order System. Fractional Calculus and Applied Analysis, 2020, 23, 183-210.	1.2	21
15	Stability Analysis of Fractional-Order Hopfield Neural Networks with Time-Varying External Inputs. Neural Processing Letters, 2017, 45, 223-241.	2.0	17
16	Robust synchronization of memristor-based fractional-order Hopfield neural networks with parameter uncertainties. Neural Computing and Applications, 2019, 31, 3533-3542.	3.2	17
17	Robust Fractional-Order PID Controller Tuning Based on Bodeâ€™s Optimal Loop Shaping. Complexity, 2018, 2018, 1-14.	0.9	16
18	Nyquist-based stability analysis of non-commensurate fractional-order delay systems. Applied Mathematics and Computation, 2020, 377, 125111.	1.4	15

#	Article	IF	Citations
19	Global attractivity of memristor-based fractional-order neural networks. Neurocomputing, 2017, 227, 64-73.	3.5	13
20	Function projective synchronization between integer-order and stochastic fractional-order nonlinear systems. ISA Transactions, 2016, 64, 34-46.	3.1	12
21	General type industrial temperature system control based on fuzzy fractional-order PID controller. Complex & Intelligent Systems, 0, , 1.	4.0	12
22	Closed-loop time response analysis of irrational fractional-order systems with numerical Laplace transform technique. Applied Mathematics and Computation, 2019, 350, 133-152.	1.4	11
23	Robust Stability Analysis of Fractional-Order Hopfield Neural Networks with Parameter Uncertainties. Mathematical Problems in Engineering, 2014, 2014, 1-14.	0.6	10
24	LMI-Based Stability of Nonlinear Non-Autonomous Fractional-Order Systems With Multiple Time Delays. IEEE Access, 2019, 7, 12016-12026.	2.6	10
25	Stochastic quasi-synchronization for uncertain chaotic delayed neural networks. International Journal of Modern Physics C, 2014, 25, 1450029.	0.8	8
26	Saturation Based Nonlinear FOPD Motion Control Algorithm Design for Autonomous Underwater Vehicle. Applied Sciences (Switzerland), 2019, 9, 4958.	1.3	7
27	Design, Implementation, and Validation of Robust Fractional-Order PD Controller for Wheeled Mobile Robot Trajectory Tracking. Complexity, 2020, 2020, 1-12.	0.9	7
28	MULTI-AUV DYNAMIC MANEUVER DECISION-MAKING BASED ON INTUITIONISTIC FUZZY COUNTER-GAME AND FRACTIONAL-ORDER PARTICLE SWARM OPTIMIZATION. Fractals, 2021, 29, .	1.8	7
29	Multi-UUV Cooperative Dynamic Maneuver Decision-Making Algorithm Using Intuitionistic Fuzzy Game Theory. Complexity, 2020, 2020, 1-11.	0.9	6
30	Lag-generalized synchronization of time-delay chaotic systems with stochastic perturbation. Modern Physics Letters B, 2016, 30, 1550263.	1.0	5
31	Fractional-order partial pole assignment for time-delay systems based on resonance and time response criteria analysis. Journal of the Franklin Institute, 2019, 356, 11434-11455.	1.9	4
32	Synthesised fractionalâ€•order PD controller design for fractionalâ€•order timeâ€•delay systems based on improved robust stability surface analysis. IET Control Theory and Applications, 2020, 14, 3723-3730.	1.2	4
33	Normalized Robust FOPID Controller Regulation Based on Small Gain Theorem. Complexity, 2018, 2018, 1-10.	0.9	3
34	Active vibration control of typical piping system of a nuclear power plant based on fractional PI controller. International Journal of Dynamics and Control, 0, , 1.	1.5	3
35	Dynamic Analysis of the Nonlinear Chaotic System with Multistochastic Disturbances. Journal of Applied Mathematics, 2014, 2014, 1-16.	0.4	2
36	Robust Trajectory Tracking Control for AUV System Based on Fractional-Order PD Controller. , 2018, , .		2

#	Article	IF	Citations
37	Stationary Response of a Kind of Nonlinear Stochastic Systems with Variable Mass and Fractional Derivative Damping. Fractal and Fractional, 2022, 6, 342.	1.6	2
38	An Active Vibration Control Method for Typical Piping System of Nuclear Power Plant. , 2021, , .		1
39	Generalized Function Projective Synchronization of Chaotic Systems with Time-delay and Stochastic Perturbation. , 2012, , .		0
40	Dynamics of a General Stochastic Nonautonomous Lotka-Volterra Model with Delays and Impulsive Perturbations. Advances in Mathematical Physics, 2015, 2015, 1-17.	0.4	0
41	Stability Analysis for a Class of Non-Commensurate Fractional-Order Systems. SSRN Electronic Journal, 0, , .	0.4	0